

Claim Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): [[A]] In a pulsed spallation target, a window comprising: a solid/liquid interface comprising having a liquid facing ~~surfaces~~ surface, wherein the surface ~~comprises~~ having smooth and non-smooth structures, wherein the non-smooth structures ~~are arranged to maintain~~ disposed for maintaining gas bubbles proximate to the surface.

Claim 2 (currently amended): The ~~interface~~ window according to claim 1, further comprising bubble source means ~~arranged to produce~~ disposed for producing bubbles proximate to the surface.

Claim 3 (currently amended): The ~~interface~~ window according to claim 1, wherein the non-smooth structures ~~comprise~~ include at least one protrusion arranged on the surface extending in a direction away from the surface.

Claim 4 (currently amended): The ~~interface~~ window according to claim 3, wherein the at least one protrusion extends at an

angle to the surface thereby cooperating with flat portions of the surface so as to define a recess ~~arranged~~ disposed to maintain at least one bubble proximate to the surface.

Claim 5 (currently amended): The ~~interface window~~ according to claim 2, wherein the bubble source means ~~comprises~~ includes at least one gas feeding duct arranged such that its outlet is proximate to the surface.

Claim 6 (currently amended): The ~~interface window~~ according to claim 5, wherein the bubble source further ~~comprises~~ includes a cavity arranged between the feeding duct and the outlet at the surface so as to define a gas bleeding hole.

Claim 7 (currently amended): The ~~interface window~~ according to claim 1, wherein the surface ~~comprises~~ includes a hard material including at least one of a metal, ceramic and composite.

Claims 8-16 (cancelled).